

## Claims

1. A resin molded article characterized in that the resin molded article is a molded article obtained by irradiating a resin molded article containing 100 to 60 parts by weight of (A) syndiotactic 1,2-polybutadiene having a crystallinity of 5% or more and 0 to 40 parts by weight of (B) at least one thermoplastic polymer selected from the group of polyethylene, polypropylene, a styrene-butadiene-styrene block copolymer (SBS), a styrene-isoprene-styrene block copolymer (SIS), a hydrogenated thereof (SEBS or SEPS), polybutadiene (BR) other than the syndiotactic 1,2-polybutadiene, an ABS resin, polyisoprene, polyethylene (LLDPE, ULDPE or LDPE), an ethylene-vinyl acetate copolymer, an ethylene-acrylate ester copolymer and an ethylene-methacrylate copolymer [with the proviso that (A)+(B)=100 parts by weight), with an electron beam, in which the 50% stress of the molded article after the electron beam irradiation (50% M: M2) is from 1.01 to 2.5 times the 50% stress before the electron beam irradiation (50% M: M1), and the molded article has steam sterilization resistance.
2. The resin molded article according to claim 1, which has transparency that the haze value of a 2-mm sheet is 50 or less.
3. The resin molded article according to claim 1 or 2, which has a toluene insoluble matter after the electron beam irradiation of 50 to 99% by weight.
4. The resin molded article according to any one of

claims 1 to 3, wherein as for electron beam dose, the product of electron beam acceleration voltage (kV) and irradiation dose (Mrad) is from 2 to 1,000,000 (kV·Mrad).

5        5. The resin molded article according to any one of claims 1 to 4, wherein the shape of the molded article is at least one selected from the group of a tube, a sheet, a film, a bag and a connector.

10       6. The resin molded article according to any one of claims 1 to 5, which has a halogen atom content of 50 ppm or less.

7. The resin molded article according to any one of claims 1 to 6, which is for medical applications.

8. A processed product obtained by processing the resin molded article according to any one of claims 1 to 7.

15       9. The processed product according to claim 8, which is for food applications, footwear applications, vehicle applications or wire covering applications.